### PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORI	TY						
To: Daniel Altman KNOBBE, MARTENS, OLSON & BEAR, LLP 2040 Main Street		PCT					
Fourteenth Floor Irvine, California 92614		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
	[		(PCT Rule 43bis.1)				
		Date of mailing (day/month/year)	05 JUN 2006				
Applicant's or agent's file reference		FOR FURTHER ACTION					
ANVIL.001BPC			See paragraph 2 below				
DOT# 1005/0000	ternational filing date ( 3 October 2005	day/month/year)	Priority date (day/month/year) 13 October 2004				
International Patent Classification (IPC) or both national classification and IPC IPC(8) - A61F00206 (2006.01) USPC - 623/1.35, 1.15, 1.16							
Applicant ANVIL MEDICAL, INC.							
This opinion contains indications relating	g to the following item	s:					
Box No. I Basis of the opinio	n		,				
Box No. II Priority	Box No. II Priority						
Box No. III Non-establishment	t of opinion with regard	d to novelty, inventiv	e step and industrial applicability				
Box No. IV Lack of unity of in	vention						
Box No. V Reasoned statemen citations and explain	nt under Rule 43 <i>bis</i> .1(a) nations supporting suc	(i) with regard to nov h statement	relty, inventive step or industrial applicability;				
Box No. VI Certain documents	cited		·				
Box No. VII Certain defects in t	the international applic	ation					
Box No. VIII Certain observation	Box No. VIII Certain observations on the international application						
2. FURTHER ACTION		1					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.							
a written reply together, where appropriat	te, with amendments, b	efore the expiration of	the applicant is invited to submit to the IPEA of 3 months from the date of mailing of Form rexpires later.				
PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PC1	T/ISA/220.						
· · · · · · · · · · · · · · · · · · ·	te of completion of th	is opinion	Authorized officer:				
Mail Stop PCT, Attn: ISAUS Commissioner for Patents	0 March 2006	ĺ	Lee W. Young				
P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	J ,1101 011 2000		Telephone No. 571-272-7774				

Form PCT/ISA/237 (cover sheet) (April 2005)

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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/36987

Box No. I	Basis of this opinion
	gard to the language, this opinion has been established on the basis of:  the international application in the language in which it was filed a translation of the international application into
claimed	gard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:  of material  a sequence listing  table(s) related to the sequence listing
b. form	at of material  on paper  in electronic form
c. time	of filing/furnishing  contained in the international application as filed  filed together with the international application in electronic form  furnished subsequently to this Authority for the purposes of search
f	n addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been iled or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addition	al comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/36987

Box No. IV Lack of unity of invention
1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:
paid additional fees
paid additional fees under protest and, where applicable, the protest fee
paid additional fees under protest but the applicable protest fee was not paid
not paid additional fees
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
complied with
not complied with for the following reasons:
This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.
Group I, claims 1-11, 14-28, drawn to a prosthesis and deployment catheter system having at least one frond.
Group II, claims 12-13, drawn to a prosthesis and deployment system assembly, comprising: an elongate, flexible catheter body; a balloon on the body, the balloon having an inflated profile with a first section having a first diameter, a second section having a second diameter, and a balloon transition in between the first and second sections; and a prosthesis carried by the balloon; wherein the prosthesis has a wall having a first wall pattern adjacent the first section of the balloon, and a second wall pattern adjacent the balloon transition.
Group III, claim 29, drawn to a dual guidewire catheter for treating vascular bifurcation.
The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they tack the same or corresponding special technical features for the following reasons: the special technical feature of a prosthesis and deployment catheter system having at least one frond as in Group I is not present in Groups II and/or III; the special technical feature of a prosthesis and deployment system assembly, comprising: an elongate, flexible catheter body; a balloon on the body, the balloon having an inflated profile with a first section having a first diameter, a second section having a second diameter, and a balloon transition in between the first and second sections; and a prosthesis carried by the balloon; wherein the prosthesis has a wall having a first wall pattern adjacent the first section of the balloon, and a second wall pattern adjacent the balloon transition of Group II is not present in Group I and/or Group III; the special technical feature of the specifics of a dual guidewire catheter for treating vascular bifurcation as in Group III is not present in Groups I and/or II:
4. Consequently, this opinion has been established in respect of the following parts of the international application:  all parts
the parts relating to claims Nos. 1-11, 14-28

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/36987

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applic citations and explanations supporting such statement				
1. Stateme	ent			·
Novelty (N)	Claims	1-11, 14-28	YES	
		Claims	None	NO
Inventive step (IS)	Claims	1-11, 14-28	YES	
	Claims	None	NO	
Industrial applicability (IA)	Claims	1-11, 14-28	YES	
	Claims	None	NO	

### Citations and explanations:

Claims 1-11 and 14-28 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the limitations of claims 1 and 14 including a prosthesis for placement at an opening from a main body lumen to a branch body lumen, the prosthesis having both one or a plurality of fronds extending axially from an end of the support and configured to be positioned across the Os and into the main body lumen and at least one circumferential link connected to the frond(s), the circumferential tink spaced axially apart from the support, wherein the circumferential link is carried by a second portion of a balloon which is inflatable to a second diameter that is larger than the first diameter. Close prior art is US 5868777 to Lam. Lam discloses that after the ostial stent is positioned within the diseased bifurcated vessel, balloon catheters are employed to secure the ostial stent in position. By expanding the balloon carrying the ostial stent, the tubular body is seated within the diseased portion of the bifurcated vessel extending away from the bifurcation and the flaring portion is configured to "cap" the ostium to the diseased portion of the vessel. In the alternative, a series of various sized and shaped balloon catheters can be employed to configure the ostial stent is othat it seats within and "caps" the ostium to the diseased portion of the bifurcation or a bi- or tri-balloon system may be employed to properly implant the tubular body and flaring portion of the ostial stent (col 3 in 42-54). Furthermore, Lam discloses a flaring portion 25 is capable of expanding and may be comprised of individual pedals 26 or in the alternative and as shown in FIGS. 4 and 5, the flaring portion 25 (which might be construed as a circumferential link is connected to and not spaced axially apart from the support.)

Claims 1-11 and 14-28 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.